

Fiscal Year (FY) 2011 Technical Refresh Equipment Standards

Note – All Information Technology (IT) Standards and operational guidance are based on direct support of the Bureau of Land Management's (BLM) Data Center Consolidation Initiative.

*** ALL costs are for planning estimate purposes only based on GSA or vendor pricing when available. Final price will come out of the FedBid process through Vendor competition.

A. Desktop Computers:

1. Desktop – Minitower:

Base System: Dell OptiPlex 790 Minitower

Unit Price: \$1066

| | |
|---------------|--|
| Processor | Intel Core i3 2100 (3.1GHz, 3M) |
| Memory | 4GB DDR3, Non-ECC, 1333MHz Dual Channel SDRAM, 2x2GB |
| Video | 512MB AMD RADEON HD 6350 (2 DVI) |
| Hard Drive | 250GB 7200 RPM SATA |
| Optical Drive | 16X DVD+/-RW |
| Systems Mgmt. | Intel Standard Manageability |
| Keyboard | Dell Smartcard Keyboard |
| Mouse | Dell Optical Mouse |
| Monitors | None (Option) |
| Speakers | None (Option) |
| KYHD | 3 Year Federal Keep Your Hard Drive Service |
| Warranty | 3 Year Basic Warranty |

2. Desktop – Desktop:

Unit Price: \$1069

Base System: Dell OptiPlex 790 Small Form Factor

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|---------------|--|
| Processor | Intel Core i3 2100 (3.1GHz, 3M) |
| Memory | 4GB DDR3, Non-ECC, 1333MHz Dual Channel SDRAM, 2x2GB |
| Video | 512MB AMD RADEON HD 6350 (2 DVI), Low Profile |
| Hard Drive | 250GB 7200 RPM SATA |
| Optical Drive | 8X Slimline DVD+/-RW |
| Systems Mgmt. | Intel Standard Manageability |
| Keyboard | Dell Smartcard Keyboard |
| Mouse | Dell Optical Mouse |
| Monitors | None (Option) |
| Speakers | None (Option) |
| KYHD | 3 Year Federal Keep Your Hard Drive Service |
| Warranty | 3 Year Basic Warranty |

B. Laptop Computers:

1. Notebook – Business Desktop Replacement:

Base System: Dell Latitude E6420

Unit Price: \$1406

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|--------------------|--|
| Processor | Intel Core i3-2310M (2.10GHz, 3M cache) |
| Memory | 4GB DDR3-1333MHz SDRAM (2 DIMMs) |
| Graphics | nVidia NVS 4200M 512 MB DDR3 Discrete Graphics |
| LCD | 14.0" HD(1336x768) Anti-Glare LED-backlit |
| Internal Keyboard | Backlit |
| Hard Drive | 250 GB 7200 RPM |
| Optical Drive | 8X DVD+/-RW |
| Battery | 6 Cell Lithium Ion Battery |
| Modem | Internal Modem |
| Wireless | Dell Wireless 802.11 b/g/n |
| Bluetooth | Dell Wireless Bluetooth Module |
| Webcam | Integrated |
| Smart Card Reader | Integrated |
| Carrying Case | Nylon Carrying Case |
| Docking Solutions | None (Option) |
| Keyboard / Mouse | None (Option) |
| Monitors /Speakers | None (Option) |
| KYHD / Warranty | 3 Year / 3 Year Basic Warranty |

C. Servers: The specifications have been identified for a standard configuration to meet general purpose and and DSI servers, and are in accordance with the DOI standards. All purchases of servers, as part of the organizations life cycle management, must be approved by the NOC director.

1. Server – Standard:

Base System: IBM System x3650 M3

Unit Price: \$4,551.57

| | |
|-----------------|---|
| Processor | Intel Xeon Quad-Core E5620 (2.40 GHz 12MB Cache 1066MHz 80W) |
| Memory | 2 x 4GB DDR3-1333 RDIMMs |
| RAID Controller | ServeRAID M5015 SAS/SATA Controller |
| Disk Storage | 2 x 146GB 15K 6Gbps SAS 2.5" HDDs (RAID 1) |
| Optical Drive | IBM UltraSlim Enhanced SATA Multi-Burner |
| OS | None |
| KYHD | 5 Year Keep Your Hard Drive |
| Warranty | 5 Year Onsite Repair 9x5 Next Business Day |
| Ultra-SCSI | Contact the NOC for guidance on legacy SCSI connections (e.g. Overland Libraries) |

D. Storage: All storage requirements will be submitted to WO-500 and the NOC for consideration of centralization at the National Data Center. The approved Enterprise Storage Solution hosted at the NOC includes EMC hardware and Symantec software solution comprised of data de-duplication, hierarchical storage management (HSM), archiving, and backup technologies respectively.

The NOC is currently centralizing all data backups at the National Data Center with the objective of removing all tape media requirement from the field and limit the tape requirement to the BLM NOC by FY 2014.

Tape Backup Hardware Technologies are in containment and further procurements are not advised. National maintenance is continuing to be funded for the Overland Tape Libraries and associated NetBackup Software Suite. Centralized backup pilots at the National Data Center are beginning in the first quarter of FY 2011 employing the enterprise solution and the field is advised to continue sustaining current environments while centralization occurs. All requests regarding legacy tape backup systems will be through the NOC who will coordinate with the BLM CTO.

Networked Attached Storage (NAS): All requirements for establishing or expanding a NAS environment will be submitted via memorandum to the NOC Director, who will coordinate requirements with the BLM CTO. The NOC review will include compliance with the current BLM enterprise architecture, configuration management, and technical standards.

Storage Area Network (SAN): All State/Center and Directorate storage requirements for establishing or expanding a SAN environment will be submitted to the NOC Director who will coordinate requests with the BLM CTO. The NOC-review will include compliance with the current BLM enterprise architecture, configuration management, and technical standards.

E. Wide Area Network (WAN) Support: All requests for WAN service upgrades, improvements, modifications, and technical refresh will be submitted to the NOC Director who will coordinate requests with the BLM CTO.

F. Printers, Copiers, Scanners, Facsimile Machines, Remote Storage Devices, and Plotters: The NOC is working with the DOI, CIOC, BLM CTO, and Contracting to identify technical standards and procurement vehicles.

G. Normal Operations and Maintenance Items: General use support consumable items and replacement parts will continue to be purchased at the discretion of each organization.